Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/09/2022 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124028	-1	1.36	123921	1.35
Blue	F	SSC	125000	122720	-2	2.40	123226	2.33
Blue	E	FITC	13602	13239	-3	2.41	371	13.74
Blue	D	PE	24891	24416	-2	1.86	580	10.62
Blue	B	PerCP-Cy5-5	33972	33162	-3	3.11	947	15.14
Blue	A	PE-Cy7	22865	22807	-1	5.15	474	31.35
Red	C	APC	47198	46162	-3	2.80	1593	11.55
Red	A	APC-Cy7	26454	25542	-4	3.39	720	12.40
Violet	B	V450	6737	6358	-6	3.79	443	11.43
Violet	A	V500	29317	27911	-5	3.45	951	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23846	2.82	565	30	N/A	N/A	Pass
Blue	F	SSC	55188	2.04	521	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	489	5	0.0398	49	Pass
Blue	D	PE	113	39.41	492	6	0.3989	318	Pass
Blue	B	PerCP-Cy5-5	149	42.77	587	8	0.0194	96	Pass
Blue	A	PE-Cy7	77	85.11	631	10	0.0215	9	Pass
Red	C	APC	335	25.60	573	1	0.0276	151	Pass
Red	A	APC-Cy7	132	35.04	551	0	0.0063	1249	Pass
Violet	B	V450	75	48.03	448	-2	0.0632	2774	Pass
Violet	A	V500	112	32.48	468	-1	0.0279	1267	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.89	-31.66	1.07
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.19	13.90 - 20.86	N/A	N/A	30.01	30.27	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10240

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments